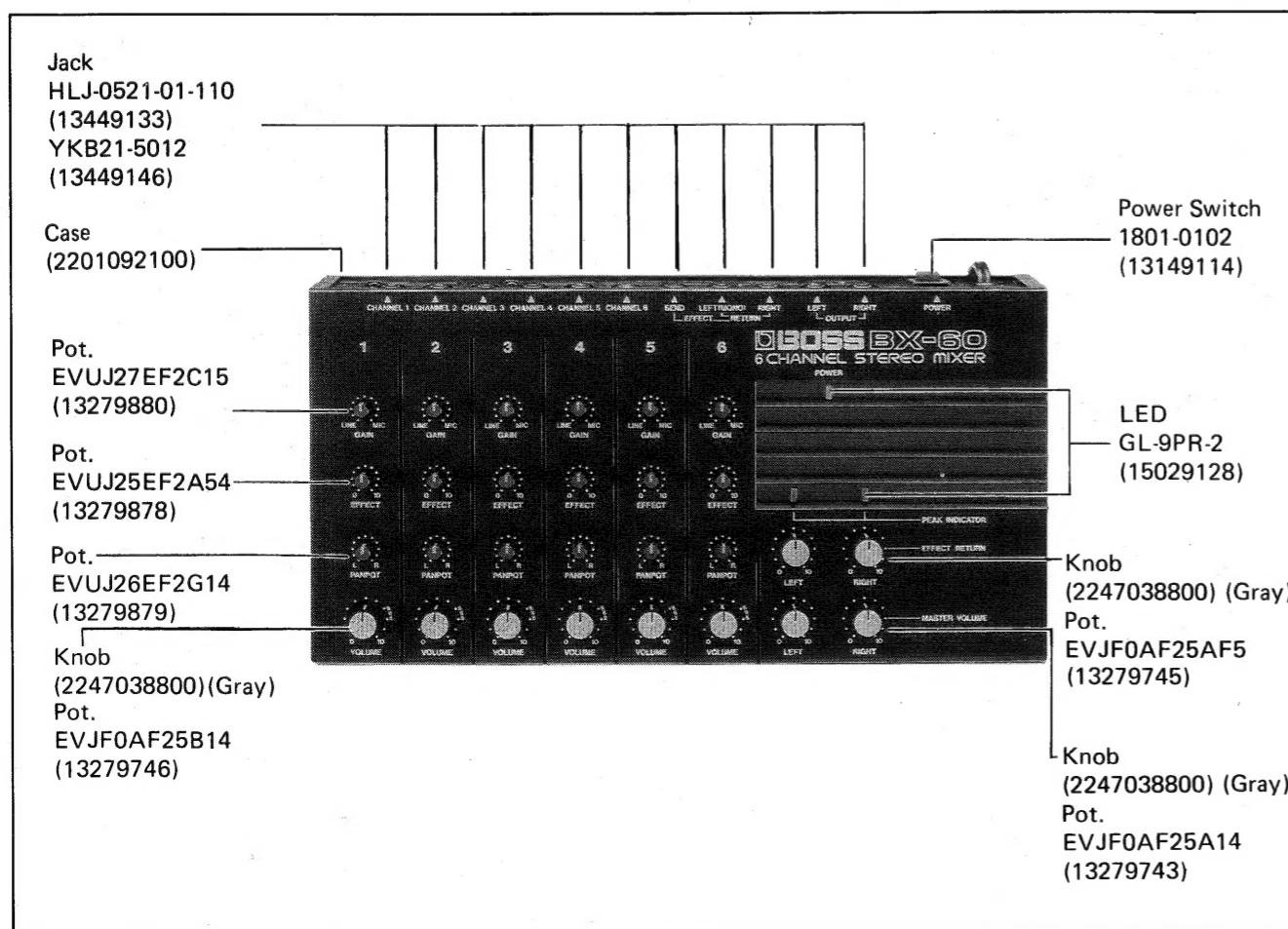


# BOSS BX-60 SERVICE NOTES

First Edition

## SPECIFICATIONS

|   |  |
|---|--|
| Input Level/Input Impedance             | : Rated : -50dBm to -10dBm<br>More than 1.5kΩ to 100kΩ   |
| Output Level                            | : Rated : +4dBm<br>Max : +21dBm                          |
| Output Load Impedance                   | : More than 10kΩ   |
| Effect Send                             |  |
| Output Level                            | : Rated : -20dBm   |
| Output Load Impedance                   | : More than 10kΩ   |
| Effect Return                           |  |
| Input Level                             | : Rated : -20dBm   |
| Input Impedance                         | : 47kΩ to 300kΩ  |
| Equivalent Input Noise                  | : -115dBm (IHF-A)  |
| Frequency Response<br>(at minimum Gain) | : 20Hz to 20kHz (+0<br>-3dB)<br>@0dBm = 0.775V           |
| AC Power                                | : 100/117/220/240V AC50/60Hz                             |
| Power Consumption                       | : 4W   |
| Dimensions                              | : 280 (W) x 60 (H) x 155 (D) mm<br>11" x 2-3/8" x 6-1/8" |
| Weight                                  | : 1.2 kg/2 lb. 10 oz.                                    |



## PARTS LIST

### SAFETY PRECAUTIONS:

The parts marked **△** have safety-related characteristics.  
Use only listed parts for replacement.

### 安全上の注意:

**△**が付いている部品は、安全上特別な規格でつくられたものです。  
交換の際は、注意をよく読み、指定された部品番号以外の部品は  
使わないようにして下さい。

#### CASING

2201092100 Case  
2202023402 Bottom Cover

#### SWITCH

△13149114 1801-0102 Power Switch

#### JACK, SOCKET

13449133 HLJ-0521-01-110 (SN 910100 - 943000) JACK  
13449146 YKB21-5012 (SN 953100 - UP) JACK

#### POWER TRANSFORMER

△ 22450365U0 Power Transformer

#### PCB

7116951100 PCB Assy 100V  
7116951200 PCB Assy 117V  
7116951400 PCB Assy HIGH

Each voltage's PCB Assy includes the following:

MT Board (pcb 2292063200 1/3)  
PS Board (pcb 2292063100 2/3 100V)  
(pcb 2292063200 2/3 117V)  
(pcb 2292063400 2/3 HIGH)  
(pcb 2292063200 3/3)

#### TRANSISTOR & IC

|          |          |        |
|----------|----------|--------|
| 15189136 | M5218L   | OP Amp |
| 15129108 | 2SC945-P | Tr     |
| 15129602 | 2SD667-C | Tr     |
| 15119602 | 2SB647-C | Tr     |

#### LED & DIODE

|           |           |                     |
|-----------|-----------|---------------------|
| 15029128  | GL-9PR-2  | OVERLOAD, POWER LED |
| 15019103  | 1S2473    |                     |
| 15019560  | RD-16EB-2 | zener               |
| △15019260 | 1G4B42    | rectifier bridge    |

#### CAPACITOR

|             |              |        |                    |
|-------------|--------------|--------|--------------------|
| △13549884M0 | ECQ-M103MZ   | 0.01μF | Polypropylene 100V |
| △13589464   | ECQ-U1A103MH | 0.01μF | 117V               |
| △13589455M0 | ECQ-U2A103MF | 0.01μF | 220/240V           |

#### POTENTIOMETER

|          |       |              |               |
|----------|-------|--------------|---------------|
| 13279880 | 100kC | EVUJ27EF2C15 | GAIN          |
| 13279878 | 50kA  | EVUJ25EF2A54 | EFFECT SEND   |
| 13279879 | 10kG  | EVUJ26EF2G14 | PAN POT       |
| 13279746 | 10kB  | EVJFOAF25B14 | CHANNEL VOL   |
| 13279745 | 250kA | EVJFOAF25A5  | EFFECT RETURN |
| 13279743 | 10kA  | EVJFOAF25A14 | MASTER        |

#### FUSE

|              |                    |                   |
|--------------|--------------------|-------------------|
| △12199542    | Fuse Holder SN5057 |                   |
| △12559333    | T-GGS 125mA/250V   | 100, 117V         |
| △or 12559352 | SGC-0.125A/125V    | 100, 117V         |
| △12559522    | CEE-40MAT          | 220V, 240V, 240VA |

#### AC CORD, CORD SET

|             |                   |    |                 |
|-------------|-------------------|----|-----------------|
| 12369410    | Cord Band 1702B   |    |                 |
| △13439801Y0 | VFF 2.5m          | 2P | AC Cord (100V)  |
| △13439836D0 | SJT-#18/2         | 2P | AC Cord (117V)  |
| △13439837F0 | P2115 ES-206 2.5m | 2P | AC Cord (220V)  |
| △13499111   | 5722-660-4527     | 3P | AC Cord (240VE) |
| △13439808D0 | KP-550            | 3P | AC Cord (240VA) |

#### MISCELLANEOUS

|            |                           |  |
|------------|---------------------------|--|
| 2247038800 | KNOB (Gray)               |  |
| 2219043000 | pcb Holder (PS Board)     |  |
| 2235012000 | Rubber Foot               |  |
| 2225021402 | Shield Sheet              |  |
| 2219049000 | BX Transformer Holder     |  |
| 2216053000 | BX PCB Spacer             |  |
| 2216053100 | Transformer Holder Spacer |  |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38

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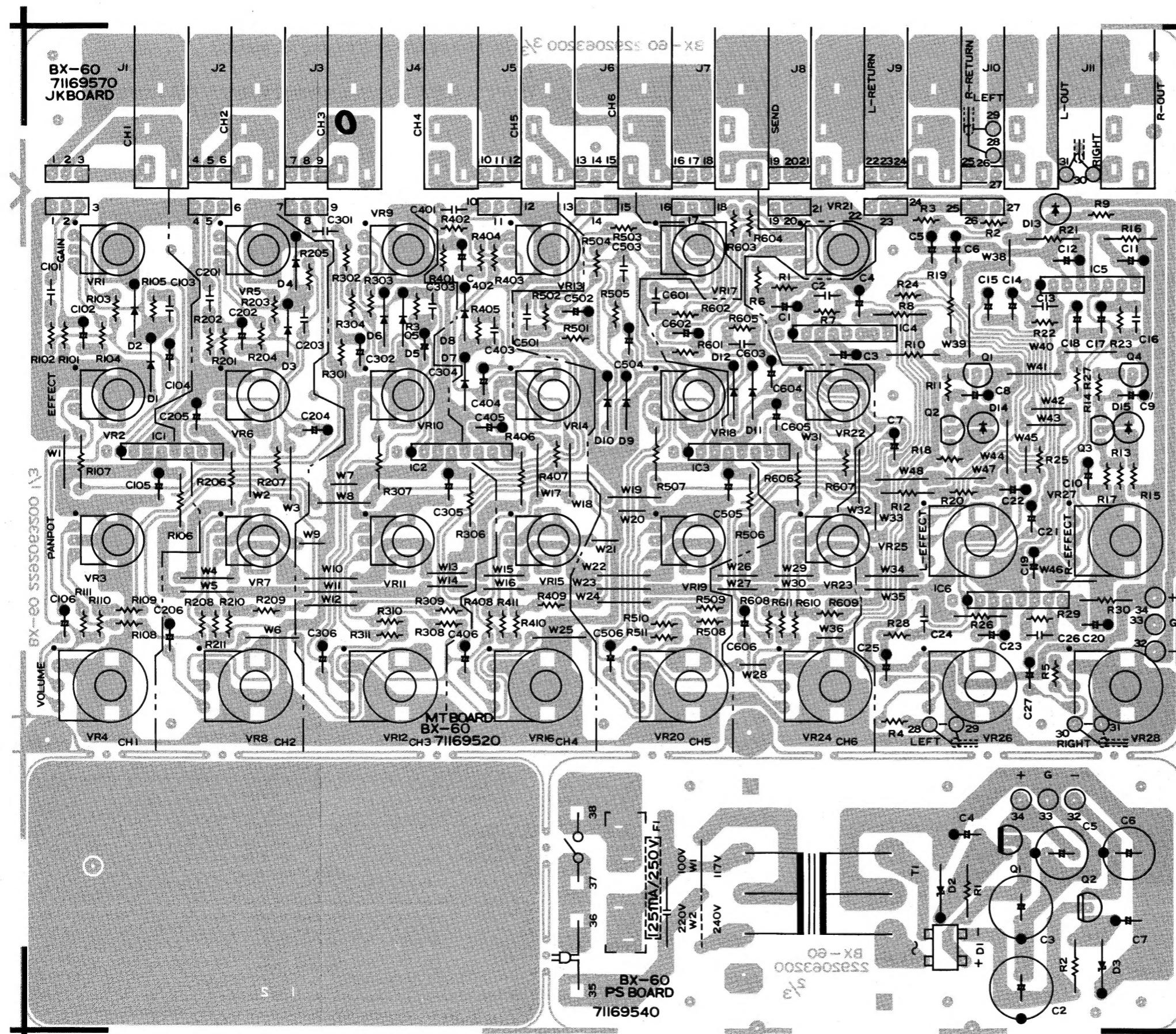
Q

R

S

T

U



View from component side

JK Board  
pcb (2292063200 3/3)

MT Board  
pcb (2292063200 1/3)

**BX-60 REPLACEMENT 補修用**

7116951100 PCB Assy 100V  
7116951200 PCB Assy 117V  
7116951400 PCB Assy HIGH (220/240V)

Each voltage's PCB Assy includes the following:  
各々の電圧に対応するPCB ASSYは、下記の基板を含みます。

MT Board (pcb 2292063200 1/3)  
PS Board (pcb 2292063100 2/3) 100V  
(pcb 2292063200 2/3) 117V  
(pcb 2292063400 2/3) HIGH (220/240V)  
JK Board (pcb 2292063200 3/3)

PS Board  
pcb (2292063200 2/3)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39

## A CIRCUIT DIAGRAM

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